State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-22-42 Relating to Certification of New Motor Vehicles

SAAB-SCANIA AB

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1988 model-year Saab-Scania AB exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family		placement (Cubic Inches)	Exhaust Emission Control Systems (Special Features)		
JSA2.0V5FTC4	2.0	(121.1)	Heated Oxygen Sensor Three-Way Catalyst (Electronic Port Fuel Injection) (Turbocharger) (Intercooler)		

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
Grams per Mile	Grams per Mile	Grams per mile
0.41	7.0	0.7

The following are the certification emission values for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	
Grams per Mile	Grams per Mile	Grams per Mile	
0.26	2.5	0.4	

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Administrative Code, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.) and with Health and Safety Code Section 43204.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 27 day of August, 1987.

K. D. Drachand, Chief Bur Mobile Source Division

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1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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anufacturer <u>Saab-Scania AB</u>	Page 17-25 Engine Family JSA2.0V5FTC4
Evaporative Family <u>J-9000-4</u>	Engine Type S.I. 16-valve 4 cyl. transverse
	Liters (CID) 2.0L (121.1 CID)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance ECU-Electronic Control Unit EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard

el System

CFI, CL, DID, DIP, EFI, MFI nV-nVenturi Carburetor

Exhaust Emissions Control System

AIP-Air Injection-Pump AIV-Air Injection-Valve DBC-Dual Bed Catalyst EGR-Exhaust Gas Recirculation EIC-Electronic Injection Control EM-Engine Modification OC-Oxidation Catalyst OS-Oxygen Sensor HOS-Heated Oxygen Sensor SPL-Smoke Puff Limiter or Throttle Delay TOC-Trap Oxidizer, Continual TOP-Trap Oxidizer, Periodical TWC-Three-Way Catalyst WUOC-Warm-Up Oxidation Catalyst WUTWC-Warm-Up Three-Way Catalyt

Special Features

CCV-Combustion Chamber Valve CFI-Central Fuel Injection or Throttle Body Injection DID-Diesel Injection-Direct DIP-Diesel Injection-Prechamber EFI-Electronic Fuel Injection IC-Intercooler or Aftercooler MFI-Mechanical Fue1 Injection OBD-On-Board Diagnostics TC-Turbocharger

VEHICLE MODELS:

Saab 9000 Turbo 5-door

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Drive:	FWD	X	RWD		4WD	Full Time	4WD Part Time

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Liter (CID)	2.0 (121.1) ntrol Sys. (Speci			Eng.	Type S.I. 16-		Transverse
Engine Code	Vehicle Models (If Coded see Attachment) (HP)	Trans.	Equiv. Test Weight	1	Fuel System Part No.	EGR Valve	Catalyst
202TM5AC	9000T -5CKL	M5	3500	Distributor Saab Pt. No75 61 806 Bosch Pt. No0237507007 Hall Effect Power Stage Saab Pt. No93 90 220 Bosch Pt. No0227100139 or 1227022008 Ignition Coil Saab Pt. No85 73 834 Bosch Pt. No0221122327 Distributor Alternate Saab Pt. No75 81 390 Bosch Pt. No0237507008	Control Unit Saab Pt. No93 91 178 Bosch Pt. No0280000539	Not Applicable	93 92 598 93 92 457 (Alternate

ase refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

Add 10% to dyno test Hp for air conditioning usage.

Date of Issue - PART NUMBER UPDATE C-3